

Appendix C: Human health and aquatic toxicity risk ratings for pesticides labeled for use in New York State

Plant growth regulators.														
Common Name	Sample Trade Name(s)¹	Formulation²	Rate Range (per 1,000 sq ft)	EQ Field Use Rating³	FRAC Code	EPA Reg. No.	Acute Aquatic Toxicity	Solubility (H₂O)(ppm)	Vapor Pressure at 25° C (mPa)	K_{oc} (cc/g)	Aerobic Soil Halflife t_{1/2}(soil) (days)	Hydrolysis Halflife t_{1/2}(hyd) (days)	Groundwater Ubiquity Score (GUS)	Maximum Contaminant Level (MCL) (µg/L)
paclobutrazol	*Trimmit	2SC	0.15-0.73 fl oz	2.4-11.7	3	100-1014	Slight	22.9	1.90E-03	400	112	-	3.44	-
ethephon	*Proxy	2L	5 fl oz	73.3	na	432-1230	Not acutely toxic	1000000	1.00E+00	-	16	2.4	0.72	-
mefluidide	Embark 2-S Plant Growth Regulator	2L	0.2-0.6 fl oz	1.2-3.7		2217-759	Slight	180	1.00E+01	200	7	-	1.44	-
	Gordon's Embark Turf & Ornamental	0.2L	0.75-4.0 fl oz	0.5-2.8		2217-768	Slight	180		200	7	-	1.44	-
trinexapac-ethyl	*Armor Tech PGR 113	EC	0.125-1.0 fl oz	0.7-5.9		73220-12			2.16E+00					
	*Primo Maxx	EC	0.125-1.0 fl oz	0.7-5.9		100-937	Moderate	1,400		440	-	456	-0.75	-
	*Primo WSB	WSB	0.06-0.5 fl oz	0.8-6.5		100-752								

1 Trade names shown are examples of products available and are not meant to be an exhaustive list.
 2 AS = aqueous suspension; DF = dry flowable; DG = dispersible granule; EC = emulsifiable concentrate; F = flowable; G = granular; L = liquid; SC = soluble concentrate; W or WP = wetttable powder; WDG = water-dispersible granule; WSB = water-soluble bag; WSP = water-soluble packet
 3 See Section 1.13 for more details on EQ ratings.
 * Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the supervision of a certified applicator.

Bio-fungicides.														
Common Name	Sample Trade Name(s)¹	Formulation²	Rate Range (per 1,000 sq ft)	EQ Field Use Rating³	FRAC Code	EPA Reg. No.	Acute Aquatic Toxicity	Solubility (H₂O)(ppm)	Vapor Pressure at 25° C (mPa)	K_{oc} (cc/g)	Aerobic Soil Halflife t_{1/2}(soil) (days)	Hydrolysis Halflife t_{1/2}(hyd) (days)	Groundwater Ubiquity Score (GUS)	Maximum Contaminant Level (MCL) (µg/L)
<i>Bacillus licheniformis</i> strain SB 3086	EcoGuard Biofungicide	0.14EC	20 fl. oz.	0.6	NC	70127-2	NA	-	NA	-	-	-	-	-
<i>Bacillus subtilis</i> , strain GB 03	Companion Liquid Biological Fungicide		4-6 fl oz	1.9	F6	71065-3	NA	-	NA	-	-	-	-	-
<i>Bacillus subtilis</i> , strain QST 713	Serenade Garden Lawn Disease Control	1.34 F	5.0 fl. oz.	1.9	F6	69592-12	NA	-	NA	-	-	-	-	-
	Rhapsody	1.34F	2.0-10.0 fl. oz.	0.8-3.8	F6	69592-19	NA	-	NA	-	-	-	-	-
<i>Pseudomonas aureofaciens</i> strain TX-1	Spot-Less Biofungicide	1L	0.73-1.47 fl. oz.	-	-	75801-1	NA	-	NA	-	-	-	-	-
Polyoxin D Zinc salt	Endorse	2.5W	4 oz.	6.8	19	66330-41-1001	NA	-	NA	-	-	-	-	-
Mono and di-potassium salts of phosphorus acid	Vital	54.5EC	3.0-6.0 fl. oz.	32.6-65.2	33	42519-24	NA	-	NA	-	-	-	-	-
	Magellan	52.6L	4.1-8.2 fl. oz.	43.9-87.8	33	228-387	NA	-	NA	-	-	-	-	-

1 Trade names shown are examples of products available and are not meant to be an exhaustive list.
 2 EC = emulsifiable concentrate; F = flowable; L = liquid; W = wetttable powder
 3 See Section 1.13 for more details on EQ ratings.

Fungicides and Nematicides.

Common Name	Sample Trade Name(s) ¹	Formulation ²	Rate Range (per 1,000 sq ft)	EQ Field Use Rating ³	FRAC Code	EPA Reg. No.	Acute Aquatic Toxicity	Solubility (H ₂ O)(ppm)	Vapor Pressure at 25° C (mPa)	K _{oc} (cc/g)	Aerobic Soil Halflife t _{1/2} (soil) (days)	Hydrolysis Halflife t _{1/2} (hyd) (days)	Groundwater Ubiquity Score (GUS)	Maximum Contaminant Level (MCL) (µg/L)
Common Name	Sample Trade Name(s) ¹	Formulation ²	Rate Range (per 1,000 sq ft)	EQ Field Use Rating ³	FRAC Code	EPA Reg. No.	Acute Aquatic Toxicity	Solubility (H ₂ O)(ppm)	Vapor Pressure at 25° C (mPa)	K _{oc} (cc/g)	Aerobic Soil Halflife t _{1/2} (soil) (days)	Hydrolysis Halflife t _{1/2} (hyd) (days)	Groundwater Ubiquity Score (GUS)	Maximum Contaminant Level (MCL) (µg/L)
azoxystrobin (RR)	Heritage	50DF	0.2-0.7 oz.	7.3-25.7	11	100-1093	High	6	1.10E-07	581	112	31	2.5	-
	Heritage TL	8.8L	1-3.5 fl. oz.	6.4-22.6	11	100-1191	High	6		581	112	31	2.5	-
boscalid (RR)	Emerald	70EG (WDG)	0.13-0.18 oz.	6.6-9.1	7	7969-196	NA	4.6	7.20E-04	772	347	30	2.8	-
chloroneb	Teremec SP	65W	3.0-9.0 oz.	95-284	14	2217-692	Moderate	8	4.00E+02	1650	130	-	1.7	-
chlorothalonil	Daconil Ultrex	82.5WDG	1.8-5.0 oz.	151-420	M5	50534-202	Very High	1	7.60E-03	1,790	49	35	1.3	-
	Echo 90DF	90DF	1.7-3.0 oz.	156-275	M5	60063-10	Very High	1	7.60E-03	1,790	49	35	1.3	-
	Pegasus L	6L	2.0-3.6 fl. oz.	110-198	M5	60063-7-81943	Very High	1	7.60E-03	1,790	49	35	1.3	-
	Pegasus DF	82.5DF	1.82-3.25 oz.	153-273	M5	60063-3-81943	Very High	1	7.60E-03	1,790	49	35	1.3	-
	Anderson's Golf Products 5'	5G	1.9-5.2 lbs	155-424	M5	9198-115	Very High	1	7.60E-03	1,790	49	35	1.3	-
cyazofamid	*Segway	34.5 EC	0.45-0.9 fl. oz.	6.5-9.0	21	71512-13-279	NA	0.11	1.33E-02	-	10	-	0.9	-
etridiazole	Terrazole	35WP	2.0-4.0 oz.	66-132	14	400-416	Moderate	105	1.43E+03	107	92	19	3.9	-
fenamiphos	*Nemacur	10G	2.3 lbs.	714	IRAC 1B	432-1291	Very High	482	1.20E-01	341	301	24	3.6	-
fenarimol	*Rubigan AS	11.6AS	0.75-8.0 fl. oz.	4.3-45	3	10163-274	Moderate	5	6.50E-02	757	1,100	28	3.4	-
fludioxonil	*†Medallion	50WP	0.25-0.5 fl. oz.	8.1-16.2	12	100-769	NA	2	3.90E-04	1,610	102	30	1.6	-
flutolanil	ProStar 70WP	70WP	1.5-4.5 oz.	66-198	7	432-1223	Moderate	10	4.10E-04	905	852	30	3.1	-
fosetyl-al	Aliette WDG Brand Fungicide	82WDG	4.0-8.0 oz.	104-209	33	432-890	Moderate	136000	1.00E-04	325	30	1	2.2	-
	Lesco Prodigy Signature	80EC	4.0-8.0 fl. oz.	104-209	33	432-890-10404	Moderate	136000		325	30	1	2.2	-
iprodione	*26GT Fungicide	23.3L	3.0-8.0 fl. oz.	46-123	2	432-888	High	12	5.00E-04	700	64	5	2.1	-
	*Fungicide X	1.3G	2.4-7.21	33-99	2	9198-210	High	12		700	64	5	2.1	-
mancozeb	*Fore Rainshield	80WP	4.0-8.0 oz.	224-448	M3	62719-388	High	6.2	1.30E-02	6,000	2	166	0.1	-
metalaxyl (mefenoxam)	Subdue Maxx	21.3EC	0.5-1.0 fl. oz.	5.7-11.4	4	100-796	Slight	26,000	7.50E-01	163	1,000	60	5.4	-
metconazole	Tourney	50WDG	.37 oz	12	3	59639-144	NA	30.4	2.10E-05	-	84	-	1.8	-
mineral oil	Civitas	98EC	8.0-32.0 fl. oz.	-	NC	69526-13	Not Acutely Toxi	-	NA	-	-	-	-	-
myclobutanil	*_Eagle 20EW`	19.7L	0.5-2.4 fl. oz.	6.4-30.9	3	62719-463	High	132	1.98E-01	-	560	-	3.5	-
	*_Eagle 40WP	40WSP	0.5-1.2 fl. oz.	13.1-31.4	3	62719-417	High	132	1.98E-01	-	560	-	3.5	-
polyoxin D zinc salt	Endorse	2.5W	4 oz	7.4	19	66330-41-1001	NA	-	NA	-	-	-	-	-
propamocarb	Banol Turf and Ornamental	66 L	1.33-4.0 fl. oz.	58-173	28	432-942	NA	101,000	7.30E+02	619	77	30	2.3	-
propiconazole	Banner Maxx	14.3EC	0.5-4.0 fl. oz.	6.2-49.3	3	100-741	Moderate	100	5.60E-02	656	72	-	2.2	-
pyraclostrobin	*Insignia	20WDG	0.5-0.9 oz.	7.4-9.5	11	7969-184	NA	20	2.60E-05	9,300	136	30	0.1	-
thiophanate-methyl	*3336 GC	2.08G	1.5-9.0 lbs	32-194	1	1001-70	Slight	25	8.80E-03	225	1	41	0.0	-
	*3336F	41.25F	2.0-6.0 fl. oz.	54-161	1	1001-69	Slight	25	8.80E-03	225	1	41	0.0	-
	*Cavalier G	2G	1.5-9.0	32-194	1	1001-70	Slight	25	8.80E-03	225	1	41	0.0	-
	*Cavalier F	41.25F	2.0-6.0 fl. oz.	54-161	1	1001-69	Slight	25	8.80E-03	225	1	41	0.0	-
	*Cavalier 50 WSB	50WSB	2.0-6.0 oz.	65-195	1	1001-63	Slight	25	8.80E-03	225	1	41	0.0	-
	*Quali-Pro TM85 WDG	85DG	0.66-3.53oz.	36-195	1	8234-13-73220	Slight	25	8.80E-03	225	1	41	0.0	-
triadimefon	Anderson's 1% Bayleton Fl	1G	0.75-6.0 lbs	8.8-70.5	3	9198-111	Slight	64	2.00E-02	365	6	1760	1.1	-
	Jonathan Green Lawn	0.5G	3.0-12.0 lbs	17.6-70.5	3	9198-112-5093	Slight	64	2.00E-02	365	6	1760	1.1	-
trifloxystrobin	*Compass	50DG	0.1-0.25 oz	4.1-10.1	11	432-1371	Slight	1	3.40E-03	-	7	-	0.5	-
vinclozolin	*Curalan	50 WSP	1.0 oz.	23.7	2	7969-224	Slight	3	1.60E-02	260	28	1	2.3	-
	*Touchè EG	50WSP	1.0 oz.	23.7	2	7969-224	Slight	3	1.60E-02	260	28	1	2.3	-

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2 AS = aqueous suspension; DF = dry flowable; EC = emulsifiable concentrate; F = flowable; G = granular; L = liquid; SC = soluble concentrate; W or WP = wettable powder; WDG = water-dispersible granule; WSB = water-soluble bag; WSP = water-soluble packet RR = reduced-risk pesticide 3 See Section 1.13 for more details on EQ ratings. * Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the supervision of a certified applicator. † Not for use in Nassau and Suffolk Counties _ Rate and/or other application restrictions apply in New York State. See label for more information.														
Insecticides.														
Common Name	Sample Trade Name(s) ¹	Formulation ²	Rate Range (per 1,000 sq ft)	EQ Field Use Rating ³	IRAC Code	EPA Reg. No.	Acute Aquatic Toxicity	Solubility (H ₂ O)(ppm)	Vapor Pressure at 25° C (mPa)	K _{oc} (cc/g)	Aerobic Soil Halflife t _{1/2} (soil) (days)	Hydrolysis Halflife t _{1/2} (hyd) (days)	Groundwater Ubiquity Score (GUS)	Maximum Contaminant Level (MCL) (µg/L)
abamectin	Abathor Granular Ant Bait	0.011% Bait	0.4 oz.	0	6	83923-7	Very High	1.2	2.00E-04	-	30	-	0.3	-
	Prescription Treatment Brand Advance 375A Select Granular Ant Bait	0.011% Bait	0.4 oz.	0	6	499-370	Very High	1.2	2.00E-04	-	30	-	0.3	-
acephate	Acephate 90 WDG	90% DG	0.4-1.6 oz.	24.4-97.5	1B	66330-370	Slight	818,000	2.26E-01	3	3	169	1.7	-
azadirachtin	Azahar	1.2% EC	1.3 fl. oz.	0.5	NC	71908-1-10163	Very High	-	3.60E-06	-	-	-	-	-
	Ornazin 3% Botanical Insecticide	3% EC	0.18-0.34 oz.	0.2-0.3	NC	5481-476-67690	Very High	-	3.60E-06	-	-	-	-	-
<i>Bacillus thuringiensis</i>	Javelin WG	85% WP	0.37 oz	11.3	11	70051-66	NA	-	NA	-	-	-	-	-
<i>Beauveria bassiana</i>	Botanigard ES	11.3% EC	8 fl oz	-	-	82074-1	NA	-	NA	-	-	-	-	-
	Botanigard 22WP	22% WP	1-4 oz	-	-	82074-2	NA	-	NA	-	-	-	-	-
	Naturalis L	7.16% EC	1 oz	-	-	53871-9	NA	-	NA	-	-	-	-	-
bifenthrin	*ΔAndersons Golf Products 0.15G Prosect	0.15% G	0.7-6.1 lbs.	2.0-17.7	3A	9198-224	Very High	0.1	1.78E-02	237,000	95	-	-2.7	-
	*†ΔBisect G	0.2% G	1.15-2.3 lbs	4.4-8.9	3A	34704-957	Very High	0.1	1.78E-02	237,000	95	-	-2.7	-
	*ΔMenace GC 7.9% Flowable	7.9% F	0.23-0.92	2.2-8.8	3A	228-458	Very High	0.1	1.78E-02	237,000	95	-	-2.7	-
	*ΔTalstar EZ Granular Insecticide	0.2% G	1.15-4.6 lbs.	4.5-17.8	3A	279-3168	Very High	0.1	1.78E-02	237,000	95	-	-2.7	-
boric acid	Intice Granular Bait	5% Bait	2.0 lbs.	-	8D	73079-2	Moderate	57000	NA	-	-	-	-	-
carbaryl	Andersons Prof. Turf Products 8% Granular Insecticide w/Carbaryl	8% G	1.7-2.4 lbs.	134-190	1A	9198-146	High	116	4.16E-02	326	6	12	1.2	-
	Drexel Carbaryl 80S	80% WP	0.92-3.67 oz	45.5-182	1A	19713-50	High	116	4.16E-02	326	6	12	1.2	-
	Sevin SL Carbaryl Insecticide	43% EC	1.5-6.0 fl. oz.	39.9-160	1A	432-1227	High	116	4.16E-02	326	6	12	1.2	-
chlorantraniliprole	*†Δ4Acelepryn	18.4% SC	0.046-0.46 fl. oz.	0.4-4.2	28	352-731	NA	1	6.30E-09	330	30	523	2.2	-

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chlorpyrifos	Andersons Golf Products Insecticide III	1.34% G	1.7 lbs	26.6	1B	9198-167	Very High	1.18	1.43E+00	9,930	31	2118	0.0	-
cyfluthrin	*Tempo Ultra GC Insecticide	11.8% L	0.135-0.270 fl. oz.	1.7-3.4	3A	432-1452	Very High	0.01	3.00E-04	123930	33	-	-1.7	-
	*Tempo 20 WP Golf Course Insecticide	20% WP	0.176-0.248 oz.	3.8-5.3	3A	432-1338	Very High	0.01	3.00E-04	123930	33	-	-1.7	-
lambda-cyhalothrin	*ΔCyonara 9.7 GC-O Insecticide	9.7% EC	3.4-13.3 mL	1.4-5.4	3A	53883-244	Very High	0.01	2.00E-04	-	25	-	-1.7	-
	*ΔDemand EZ Insecticide	2.43% EC	13.6-28 mL	1.3-2.8	3A	100-1232	Very High	0.01	2.00E-04	-	25	-	-1.7	-
	*_Scimitar GC Insecticide	9.7% L	3.4-7 ml	1.3-2.7	3A	100-1088	Very High	0.01	2.00E-04	-	25	-	-1.7	-
deltamethrin	*_Deltagard GC Granular Insecticide	0.1% G	2-3 lbs	2.5-3.7	3A	432-837	Very High	0.01	1.24E-05	10240000	13	-	-3.4	-
	*_Deltagard T & O 5SC Insecticide	4.75% EC	0.2-0.9 fl. oz.	0.7-3.3	3A	432-834	Very High	0.01	1.24E-05	10240000	13	-	-3.4	-
	*_Suspend SC Insecticide	4.75% L	0.4-0.6 fl. oz.	1.5-2.2	3A	432-763	Very High	0.01	1.24E-05	10240000	13	-	-3.4	-
*†halofenozide	*†Mach 2 1.5G	1.5% G	1.55-3.0 lbs	20.5-39.8	18	62719-473-38167	Very High	12	5.47E-05	233	219	30	3.8	-
	*†Mach 2 2SC	22.3% EC	1.5-2.9 fl. oz.	18.5-35.7	18	62719-471	Very High	12	5.47E-05	233	219	30	3.8	-
hydramethylnon	*Maxforce Professional. Insect Control Granular Insect Bait	1% Bait	0.56 oz.	0.3	20A	432-1255	Very High	0.01	2.70E-03	730000	10	-	-1.9	-
*imidacloprid ⁴	*_Armortech IMD 75	75% WSP	0.145-0.193 oz.	10.9-14.5	4A	228-588	Very High	514	4.00E-07	262	997	30	4.7	-
	†5Bayer Advanced Season Long Grub Control Ready to Spread Granules	0.25% G	2.4-3.0 lbs	9.6-12.0	4A	72155-36	Very High	514	4.00E-07	262	997	30	4.7	-
	†5Gordon's Grub No-More Concentrate	1.47%L	6.0-9.0 fl. oz.	8.8-13.2	4A	2217-908	Very High	514	4.00E-07	262	997	30	4.7	-
	*GrubEx Pro	21.4% L	0.46-0.6 fl. oz.	9.8-12.8	4A	228-485	Very High	514	4.00E-07	262	997	30	4.7	-
	*Merit 2F Insecticide	21.4% F	0.46-0.6 fl. oz.	9.8-12.8	4A	432-1312	Very High	514	4.00E-07	262	997	30	4.7	-
	*Merit 75 WP Insecticide	75% WP	0.147-0.197 oz.	11.0-14.8	4A	432-1314	Very High	514	4.00E-07	262	997	30	4.7	-
indoxacarb	_Dupont Advion Insect Granule	0.22% G	1.15-4.6 lbs	3.4-13.7	22A	352-651	Very High	0.2	6.00E-03	6450	17	-	0.2	-
	Dupont Provaunt Insecticide	30% DG	0.046-0.275 oz.	1.2-7.0	22A	352-716	Very High	0.2	6.00E-03	6450	17	-	0.2	-
<i>Paenibacillus popillia</i>	Milky Spore Powder	0.02% G	0.25 lbs	-	NC	63191-1	NA	-	NA	-	-	-	-	-
permethrin	Maxide RTU Lawn & Garden Insect Killer Granules	0.25% G	2.0-3.0 lbs	6.4-9.6	3A	28293-328-71376	Very High	0.01	2.00E-03	39,300	30	3597	-0.9	-
spinosad	Conserve SC Turf and Ornamental	11.6% EC	0.25-1.2 fl. oz.	1.1-5.4	5	62719-291	High	-	3.20E-05	-	-	-	-	-
trichlorfon	Bayer Advanced 24 Hour Grub Killer Plus Ready-to-Spread Granules	6.2% G	2.0-3.0 lbs	108-163	1B	72155-33	High	120000	2.10E-01	10	18	-	3.8	-
	Dylox 420SL Turf and Ornamental Insecticide	37.3% WSP	4.6-6.9 fl. oz.	94-141	1B	432-1464	High	120000	2.10E-01	10	18	-	3.8	-
	*Dylox 80 Turf and Ornamental Insecticide	80% WSP	2.5-3.75 oz.	109-164	1B	432-1289	High	120000	2.10E-01	10	18	-	3.8	-

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3 See Section 1.13 for more details on EQ ratings.														
4 All commercial applications of imidacloprid products are restricted-use statewide. In addition, the sale, use and distribution of consumer products are not allowed in Nassau, Suffolk, Kings or Queens Counties.														
5 In addition to Long Island (Nassau and Suffolk Counties), product is not for use in Kings and Queens counties.														
* Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the direct supervision of a certified applicator or used by someone under the supervision of a certified applicator.														
† Not for use in Nassau and Suffolk Counties; pesticide labels that indicate "Not for use on Long Island, NY" means that use is prohibited in Nassau and Suffolk Counties only.														
_ Rate and/or other application restrictions apply in New York State. See label for more information.														
Herbicides.														
Common Name	Sample Trade Name(s) ¹	Formulation ²	Rate Range (per 1,000 sq ft)	EQ Field Use Rating ³	HRAC Code	EPA Reg. No.	Acute Aquatic Toxicity	Solubility (H ₂ O)(ppm)	Vapor Pressure at 25° C (mPa)	K _{oc} (cc/g)	Aerobic Soil Halflife t _{1/2} (soil) (days)	Hydrolysis Halflife t _{1/2} (hyd) (days)	Groundwater Ubiquity Score (GUS)	Maximum Contaminant Level (MCL) (µg/L)
2,4-D	*American Brand (or other formulation)	0.85L	7.04 fl. oz.	47	4	228-238-7401	Slight	657,000	1.87E-02	46	34	39	3.7	
acetic acid	Weed Pharm					81936-1-81935	Slight	1050000	1.56E+06	117	2	-	0.6	-
ammonium nonanoate	Racer	-	-	-	-	79766-1	NA	-	3.17E+06	-	-	-	-	-
benefin	Lebanon Balan 2.5G	2.5G	1.5-3.0 lbs	27.8-55.6	3	961-268	High	0.1	8.80E+00	10777	40	-	-0.1	-
bensulide	*Bensumec 4LF	4L	5.6-9.4 fl. oz.	182.3-306.1	8	2217-696	High	6	1.33E-01	16,600	432	220	3.7	-
bentazon	Basagran T/O	4L	0.75 fl. oz.	16.8	6	7969-45	NA	530	1.70E-01	116	40	30	2.9	-
bispyribac sodium	Velocity	17.6G	0.138 oz	0.8	2	59639-136	NA	73,000	5.50E-06	272	476	50	4.2	-
bromoxynil	Buctril	2EC	0.375-0.75 fl. oz.	5.8-11.6	6	264-437	Very High	13	1.70E-01	202	28	3	0.8	-
carfentrazone-ethyl	Quicksilver T&O	1.9EC	0.023-0.154 fl. oz	0.3-1.8	14	279-3265	Moderate	22	7.20E-03	866	0.5	-	-0.3	-
chlorsulfuron	Corsair	75 DG	0.023-0.122 oz.	1.3-6.7	2	228-375	Slight	28300	3.70E-06	35	28	1230	7.6	-
clopyralid	*† Lontrel T&O	3L	0.1-0.5 fl. oz.	2.0-10.1	4	62719-305	Not Acutely Toxi	106,000	1.36E+00	5	152	30	7.2	-
dithiopyr	*† Dimension EC	1EC	0.75-1.5 fl. oz.	4.1-8.1	3	62719-426	High	1	5.30E-06	1040	871	-	2.9	-
	* Dimension Ultra 40WP	40WP	0.23 oz.	3.9	3	62719-445	High	1	5.30E-06	1040	871	-	2.9	-
ethofumesate	*Prograss	1.5EC	1.5-4.0 oz.	20.0-53.4	8	432-941	Moderate	50	6.50E-01	150	93	2900	3.6	-
fenoxaprop	Acclaim Extra	.57EC	0.08-0.9 fl. oz.	0.6-7.1	1	432-950	NA	0.9	1.87E-04	9490	5	-	0.0	-
fluzafop-p-butyl	*Fusilade II	2EC	0.4-0.6 oz.	7.7-11.5	1	100-1084	NA	0.9	1.20E-01	3394	1	-	0.0	-
glufosinate	†Finale	1L	1.47-4.4 fl. oz.	9.2-27.4	10	432-1229	Slight	1,370,000	3.10E-02	785	20	30	1.4	-
glyphosate	Round Up Pro Dry	62.5DG	0.44-2.17 oz.	11.9-58.6	9	524-505	Moderate	11,600	1.31E-02	6,920	96	35	0.3	700
	*Touchdown Pro	3DG	0.37-3.67 oz	4.3-43.3	9	100-1121	Moderate	11,600	1.31E-02	6,920	96	35	0.3	700
halosulfuron	Sedgehammer	75DF	0.015-0.031 oz.	0.6-1.3	2	81880-1-10163	Slight	1,650	3.50E-02	124	51	14	3.3	-
iron HEDTA	Fiesta		25-50 oz.			67702-26-8786	NA	-	NA	-	-	-	-	-
metsulfuron-methyl	Mansion Turf	60DG	.003-0.023 oz	0.1-0.6	2	81959-14	Not Acutely Toxi	2790	3.30E-07	57	24	30	3.1	-
mesotrione	Tenacity	4F	0.092-0.184 fl. oz	1.9-3.7	28	100-1267	NA	160	5.70E-03	122	32	-	2.9	-
oxadiazon	*Ronstar	2G	2.25-4.5 lbs	87.6-175.2	14	432-886	High	0.6	6.70E-01	3200	502	-	1.3	-
pelargonic acid	Scythe					62719-529	NA	-	2.13E+02	-	-	-	-	-
pendimethalin	Pendulum	3.3EC	1.3-1.8 fl. oz.	40.0-55.4	3	241-341	Moderate	0.3	1.94E+00	17581	90	-	-0.5	-
	Halts	1.71G	2.01 lbs	45.2	3	538-192	Moderate	0.3	1.94E+00	17581	90	-	-0.5	-
	*Corral 2.86G	2.68%	1.31.-1.72 lbs	46.1-60.7	3	538-188	Moderate	0.3	1.94E+00	17581	90	-	-0.5	-
	Pendulum Aquacap	3.8L	1.1-2.3 fl. oz.	35.0-73.2	3	241-416	Moderate	0.3	1.94E+00	17581	90	-	-0.5	-

Common Name	Sample Trade Name(s) ¹	Formulation ²	Rate Range (per 1,000 sq ft)	EQ Field Use Rating ³	FRAC Code	EPA Reg. No.	Acute Aquatic Toxicity	Solubility (H ₂ O)(ppm)	Vapor Pressure at 25° C (mPa)	K _{oc} (cc/g)	Aerobic Soil Half-life t _{1/2} (soil) (days)	Hydrolysis Half-life t _{1/2} (hyd) (days)	Groundwater Ubiquity Score (GUS)	Maximum Contaminant Level (MCL) (µg/L)
	Pendulum 2G	2G	1.7-2.3 lbs.	45.3-60.4	3	241-375	Moderate	0.3	1.94E+00	17581	90	-	-0.5	-
	Lesco Pre-M	3.3 EC	1.3-2.6 fl. oz.	40.0-80.0	3	241-360-10404	Moderate	0.3	1.94E+00	17581	90	-	-0.5	-
penoxsulam	Sapphire	3.68 EC	0.28-0.55 fl. oz.	0.5-1.0	2	62719-547	NA	470	2.49E-11	119	57	30	3.4	-
primisulfuron-methyl	Beacon	75 WDG	0.0174 oz.	0.7	2	SLN NY-08-0015	Slight	390	5.00E-03	-	17	-	-	-
prodiamine	*Barricade	65WG	0.185-0.83 oz.	3.8-17.2	3	100-834	Moderate	0.01	3.30E-03	12710	120	-	-0.2	-
quinclorac-carfentrazone	*Barricade 4FL	4 EC	0.5 oz.	6.5	3	100-1139	Slight	0.06	1.00E-02	37	211	30	5.7	-
	Square-One	70 WDG	0.184 - 0.413 oz.		3	279-3419	Slight	0.06	1.00E-02	37	211	30	5.7	-
siduron	Lebanon Crabgrass Control 4.6% Tupersan	4.6G	4.0 lbs	93.8	7	961-309	Slight	22	5.30E-04	201	895	30	5.0	-
	Tupersan	50WP	1.5-9 oz	23.9-143.3	7	10163-213	Slight	22	5.30E-04	201	895	30	5.0	-
triclopyr	Turflon Ester	4EC	0.375-0.75 oz.	6.9-13.8	4	62719-258	Moderate	7	1.00E-01	62	13	7	2.5	-
trifluralin	Lebanon Treflan 5G	5G	1.8 lbs.	73.7	3	961-405	High	0.2	9.50E+00	15800	181	-	-0.4	-
1 Trade names shown are examples of products available and are not meant to be an exhaustive list.														
2AS = aqueous suspension; DF = dry flowable; DG = dispersible granule; EC = emulsifiable concentrate; F = flowable; G = granular; L = liquid; SC = soluble concentrate; W or WP = wettable powder; WDG = water-dispersible granule; WSB = water-soluble bag; WSP = water-soluble packet														
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† Not for use in Nassau and Suffolk Counties														
Rate and/or other application restrictions apply in New York State. See label for more information.														
Sources for Chemical and Aquatic Risk Assessment:														
Data was searched first at the PAN Pesticide Database:														
Kegley, S.E., Hill, B.R., Orme S., Choi A.H., PAN Pesticide Database , Pesticide Action Network, North America (San Francisco, CA, 2010), http://www.pesticideinfo.org .														
If the data was not reported or incomplete for the calculation of GUS, the European Database PPDB was used:														
Pesticide Properties Database (PPDB) is a comprehensive relational database of pesticide physicochemical, toxicological, ecotoxicological and other related data.														
The database has been developed by the Agriculture & Environment Research Unit (AERU) based at the University of Hertfordshire, UK. It has evolved from a database that originally accompanied the EMA (Environmental Management for Agriculture) software (also developed by AERU), with additional input from the EU-funded FOOTPRINT project (http://www.eu-footprint.org).														
The PPDB collates information on pesticides, their metabolites and product additives such as inert substances, solvents and adjuvants. It currently contains over 1500 records and is not a portal to information held elsewhere.														
http://www.herts.ac.uk/aeru/footprint (multi-lingual)														
http://agrochemicals.iupac.org (the IUPAC branded portal, English language only)														